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Page 8ROCKET ENGINE TEST FACILITY

ZAGORSK, USSR

1. RETURNING GERMAN SCIENTISTS REPORTED THAT IN 1947 REPRESENTATIVES OF NII/PLANT 88 MOSCOW/KALININGRAD AND AN ENGINEERING CONSTRUCTION ORGANIZATION SELECTED THIS SITE FOR THE CONSTRUCTION OF A DEVELOPMENT/ACCEPTANCE TEST FACILITY FOR ROCKET ENGINES AND MISSILE ASSEMBLIES. VERY LITTLE WAS KNOWN OF THE STATUS OF THE FACILITY UNTIL THE SUMMER OF 1956 WHEN EXTENSIVE CONSTRUCTION ACTIVITY WAS REPORTED BY REPATRIATED SPANIARDS. ROCKET ENGINES WERE REPORTEDLY BEING TESTED ON A FAIRLY REGULAR BASIS AT ONE COMPLETED VERTICAL TEST STAND AND A SECOND COMPLETED HORIZONTAL STAND WAS REPORTEDLY USED FOR TESTING SMALL MISSILES. A THIRD LARGE RAIL SERVED TEST STAND WAS IN THE LATE STAGES OF CONSTRUCTION IN JULY 1956.

DURING THE SUMMER OF 1956 THE ZAGORSK FACILITY WAS CLOSELY ASSOCIATED WITH OKB/PLANT 456 KHIMKI, THE LEADING ROCKET ENGINE DESIGN BUREAU AND NII/PLANT 88, KALININGRAD THE LEADING SPACECRAFT DESIGN & PRODUCTION CENTER AND A LEADING MISSILE DESIGNER. DURING THE SAME YEAR, ONE SOURCE POSITIVELY IDENTIFIED A SHYSTER (SS-3) MISSILE TRANSPORTER IN THE AREA. THE ZAGORSK INSTALLATION SEEMS TO HAVE PLAYED AN

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IMPORTANT ROLE AS A SUPPORT ACTIVITY FOR THE LEADING SOVIET ROCKET DEVELOPMENT FACILITIES.

2. THE TEST FACILITY WAS FIRST OBSERVED ON [REDACTED] ALTHOUGH FEW DETAILS COULD BE DISCERNED AT THAT TIME, 4 SUBSEQUENT KH MISSIONS BETWEEN MAR 62 AND OCT 62 REVEALED THAT THE FACILITY CONSISTED OF: A TEST AREA WITH 4 APPARENTLY OPERATIONAL TEST STANDS AND RELATED TECHNICAL SUPPORT FACILITIES; A HOUSING AND SUPPORT AREA AND A STORAGE AREA. IN LIGHT OF COLLATERAL INFORMATION IT APPEARED THAT THE FACILITY DID NOT CHANGE SIGNIFICANTLY BETWEEN 1956 AND 1962.
3. SINCE 1963 SIGNIFICANT EXPANSION OF THE FACILITY HAS OCCURED AND WITHIN THE ORIGINAL FACILITIES NEW CONSTRUCTION AND MODIFICATIONS HAVE BEEN OBSERVED. THE MOST SIGNIFICANT CONSTRUCTION AND MODIFICATION TOOK PLACE AT TEST STAND NO. 1 AND WITHIN ITS TECHNICAL SUPPORT AREA. DURING 1963-64. THESE CHANGES INCLUDED THE WIDENING OF THE TEST STAND ACCESS RAMP, THE DOUBLING IN SIZE OF THE ASSEMBLY/CHECKOUT BUILDING, THE CONSTRUCTION OF TWO SUPPORT BUILDINGS AND THE ADDITION OF SEVERAL RAIL SPURS. EXPANSION EAST OF THE ORIGINAL FACILITY HAS BEEN OBSERVED SINCE JUN 64. GROUND SCARING, EXCAVATIONS, BUILDINGS UNDER CONSTRUCTION, NEW ROADS AND A GROUND TRACE, (WHICH RESEMBLED PRELIMINARY CLEARING FOR A SECURITY FENCE) HAVE BEEN OBSERVED WITHIN THIS AREA AS

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CONSTRUCTION PROGRESSED THROUGHOUT 1964 AND EARLY 1965.

4. A RECENT FTD ANALYSIS OF TEST STAND NO. 1 (SINGLE POSITION) ESTIMATES THAT THE OPERATING THRUST LEVEL IS ABOUT 6.5 MILLION POUNDS. A PRIOR THRUST ANALYSIS, BY THE SPACE TECHNOLOGY LABORATORIES, RATES TEST STAND NO. 2 (SINGLE POSITION) AT APPROXIMATELY 1.2 - 1.6 MILLION POUNDS OF THRUST AND TEST STAND NO. 3 (MULTI-POSITION) AT APPROXIMATELY 200,000 POUNDS THRUST PER POSITION.
5. THE ONLY KNOWN OPERATIONAL ACTIVITY REPORTED AT THE TEST FACILITY WAS IN JUN 64 WHEN A SMALL BLAST SCAR WAS OBSERVED AT TEST STAND NO. 3.
6. THIS MISSION REVEALS THAT THE SECURITY FENCE SURROUNDING THE TEST FACILITY HAS BEEN EXTENDED TO ENCLOSE A PREVIOUSLY OBSERVED AREA OF CONTINUING CONSTRUCTION ACTIVITY WHICH NOW APPEARS TO BE A POSSIBLE TEST SITE UNDER CONSTRUCTION. IT CONSISTS OF AN IRREGULARLY SHAPED STRUCTURE IN AN EXCAVATION WITH A NARROW RAMP OR CONVEYOR LEADING FROM THE SIDE OF THE EXCAVATION TO THE TOP OF THE STRUCTURE, A COMPLETED, POSSIBLY RAIL-SERVED SUPPORT BUILDING APPROXIMATELY 300 FT LONG, 5 SMALL BUILDINGS, 2 POSSIBLE TANKS, AND SEVERAL OTHER SMALL STRUCTURES. IN THE OLDER PORTION OF THE FACILITY THE SUMP FOR THE BLAST DEFLECTOR COOLING SYSTEM AT THE LARGEST OF THE 4 TEST STANDS IS PROBABLY WATER FILLED. A POWERLINE LEADING TO THE FACILITY FROM THE NW APPEARS TO BE COMPLETED.

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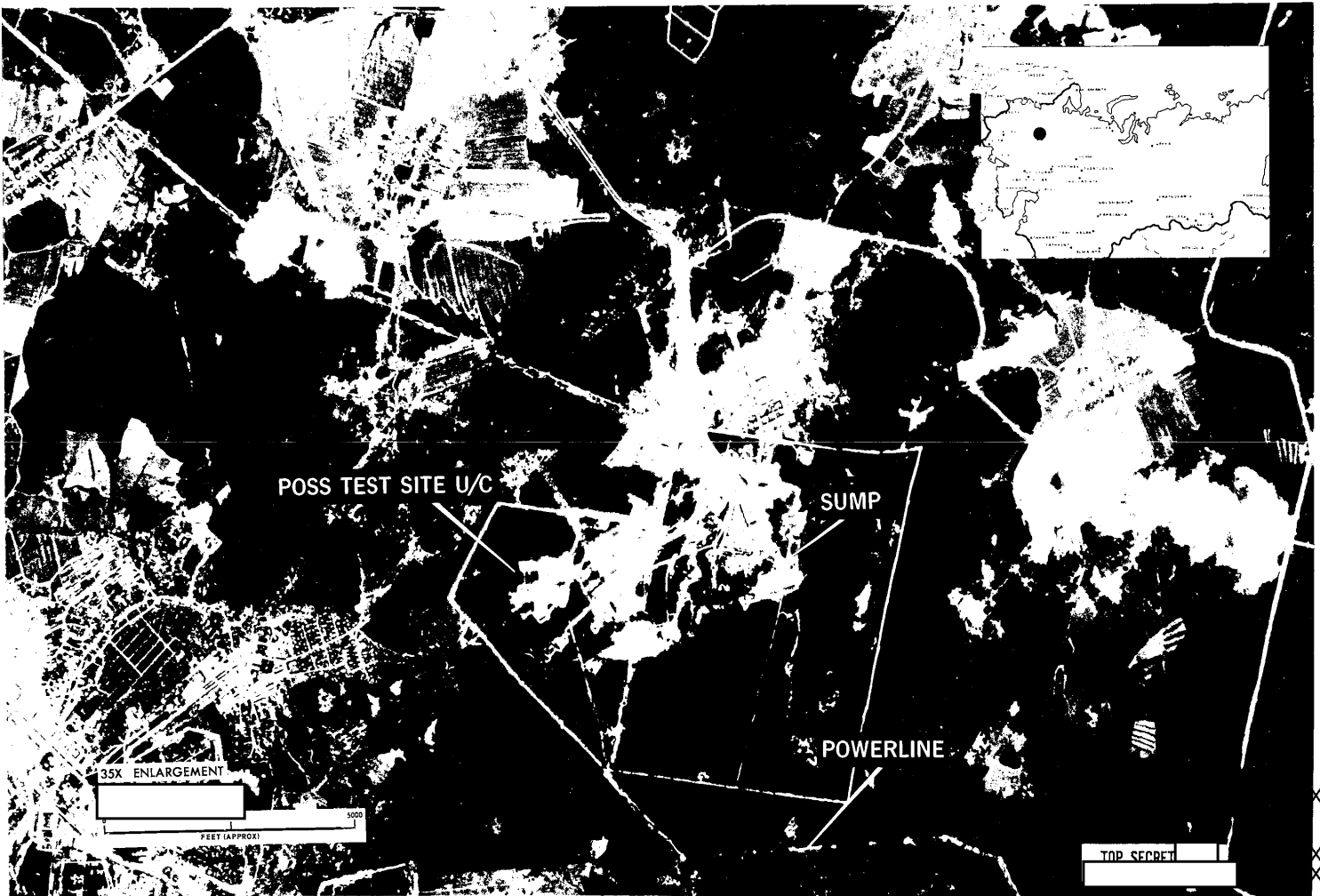
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